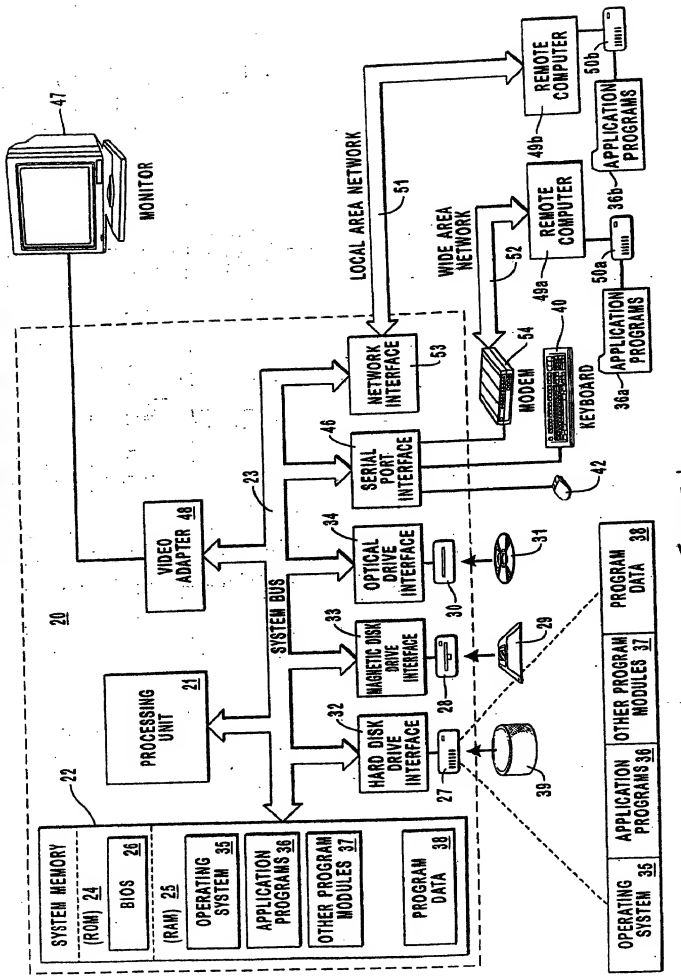

47
MONITOR
LOCAL AREA NETWORK
51
WIDE AREA NETWORK
REMOTE COMPUTER
49b
50b
APPLICATION PROGRAMS
36b
REMOTE COMPUTER
49a
52
50a
APPLICATION PROGRAMS
36a
KEYBOARD
40
MODEM
54
NETWORK INTERFACE
53
SERIAL PORT INTERFACE
46
42
VIDEO ADAPTER
48
23
20
SYSTEM BUS
34
OPTICAL DRIVE INTERFACE
31
33
MAGNETIC DISK DRIVE INTERFACE
30
29
32
HARD DISK DRIVE INTERFACE
28
27
39
PROCESSING UNIT
21
22
SYSTEM MEMORY
(ROM) 24
BIOS 26
(RAM) 25
OPERATING SYSTEM 35
APPLICATION PROGRAMS 36
OTHER PROGRAM MODULES 37
PROGRAM DATA 38
OPERATING SYSTEM 35
APPLICATION PROGRAMS 36
OTHER PROGRAM MODULES 37
PROGRAM DATA 38

FIGURE 1

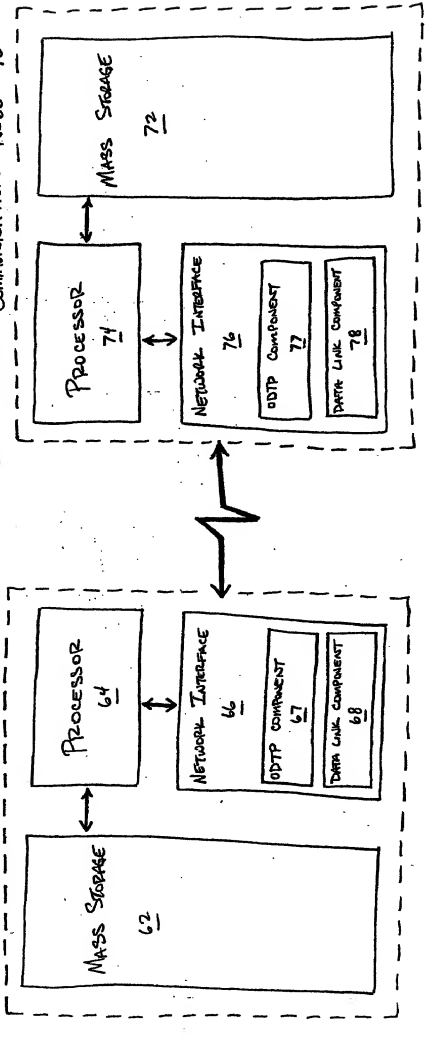

COMMUNICATION NODE 60
MASS STORAGE
62
PROCESSOR
64
NETWORK INTERFACE
66
ODTP COMPONENT
67
DATA LINK COMPONENT
68
COMMUNICATION NODE 70
MASS STORAGE
72
PROCESSOR
74
NETWORK INTERFACE
76
ODTP COMPONENT
77
DATA LINK COMPONENT
78

FIGURE 2

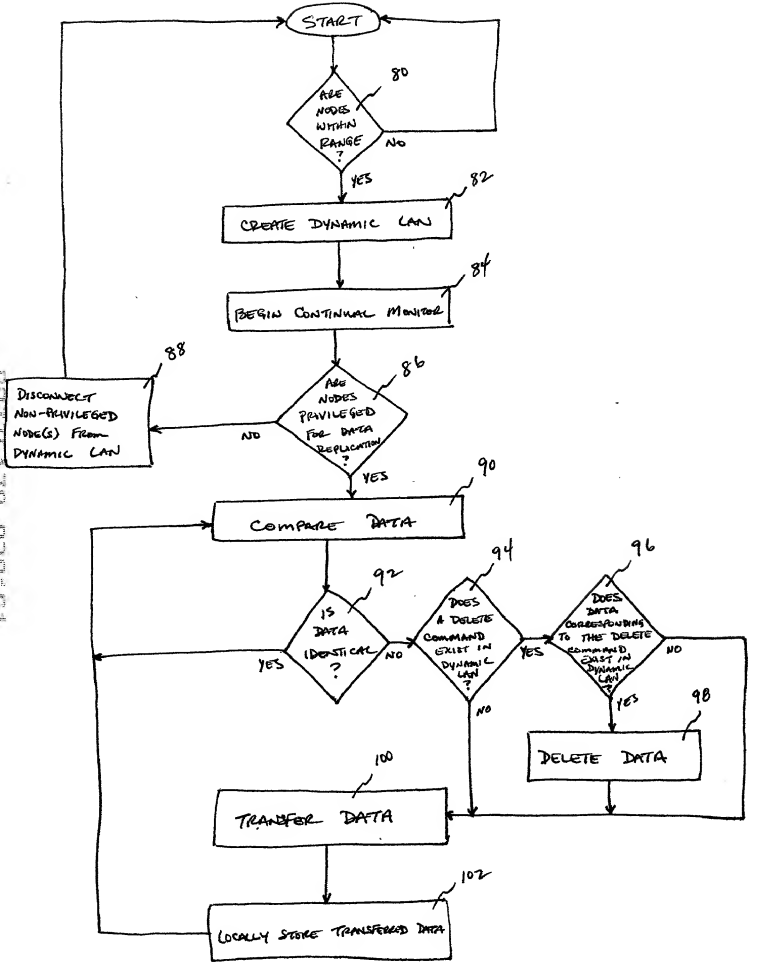
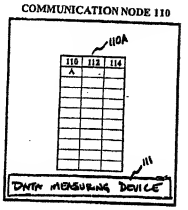
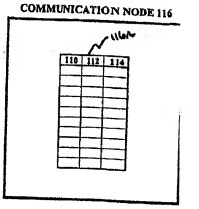
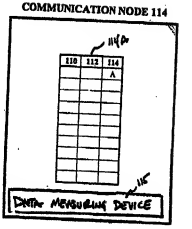

START
80
ARE NODES WITHIN RANGE ?
NO
YES
82
CREATE DYNAMIC LAN
84
BEGIN CONTINUAL MONITOR
86
ARE NODES PRIVILEGED FOR DATA REPLICATION ?
NO
88
DISCONNECT NON-PRIVILEGED NODE(S) FROM DYNAMIC LAN
YES
90
COMPARE DATA
92
IS DATA IDENTICAL ?
YES
NO
94
DOES A DELETE COMMAND EXIST IN DYNAMIC LAN ?
YES
NO
96
DOES DATA CORRESPONDING TO THE DELETE COMMAND EXIST IN DYNAMIC LAN ?
YES
NO
98
DELETE DATA
100
TRANSFER DATA
102
LOCALLY STORE TRANSFERRED DATA

FIGURE 3


COMMUNICATION NODE 110
110A
110 112 114
A
111
DATA MEASURING DEVICE


COMMUNICATION NODE 116
110 112 114


COMMUNICATION NODE 114
110 112 114
A
DATA MEASURING DEVICE

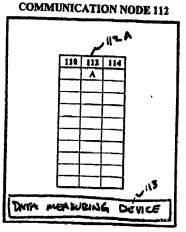
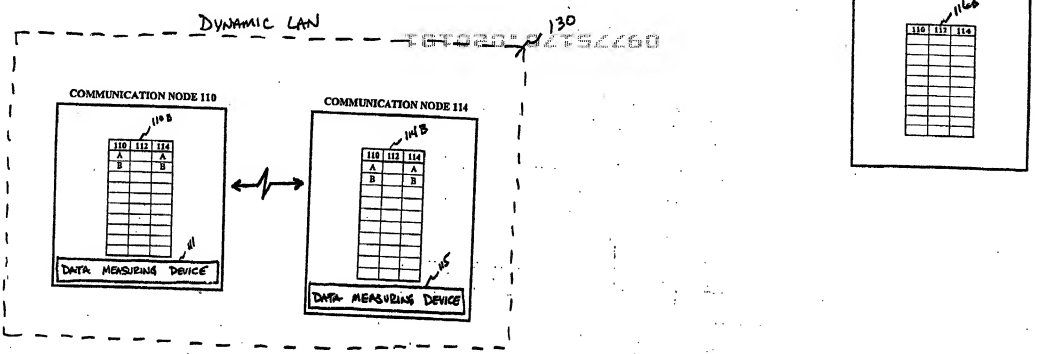

COMMUNICATION NODE 112
110 112 114
A
DATA MEASURING DEVICE

FIGURE 4A


DYNAMIC LAN
130
COMMUNICATION NODE 110
110B
110
112
114
A
B
A
B
111
DATA MEASURING DEVICE
COMMUNICATION NODE 114
114B
110
112
114
A
B
A
B
115
DATA MEASURING DEVICE
116B
110
112
114

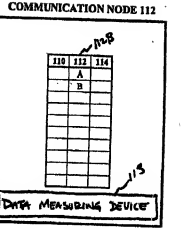
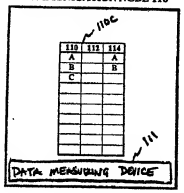
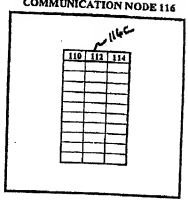

COMMUNICATION NODE 112
112B
110
112
114
A
B
113
DATA MEASURING DEVICE

FIGURE 4B

PATENT 09752760





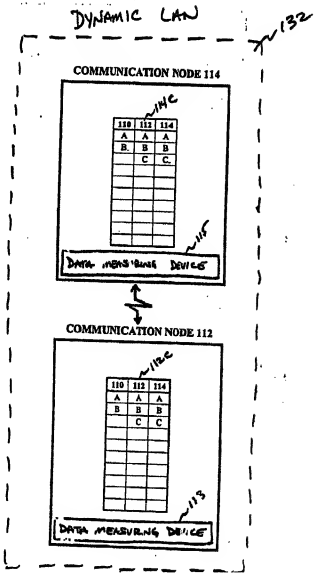
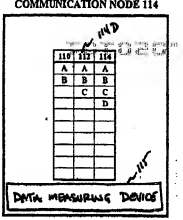
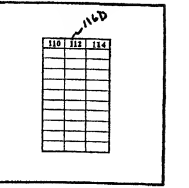


FIGURE 4C


COMMUNICATION NODE 114
114D
110 112 114
A A A
B B B
C C
D
DATA MEASURING DEVICE


116D
110 112 114

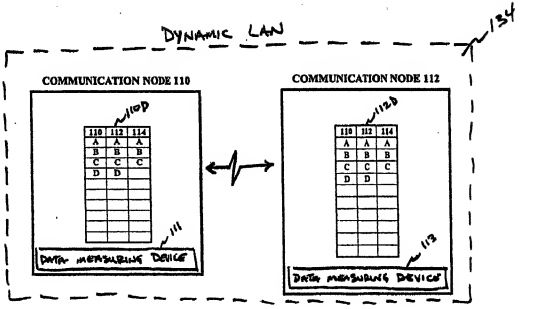

DYNAMIC LAN
COMMUNICATION NODE 110
110D
110 112 114
A A A
B B B
C C C
D D
DATA MEASURING DEVICE
COMMUNICATION NODE 112
112D
110 112 114
A A A
B B B
C C C
D D
DATA MEASURING DEVICE

FIGURE 4D

09775170 .020104

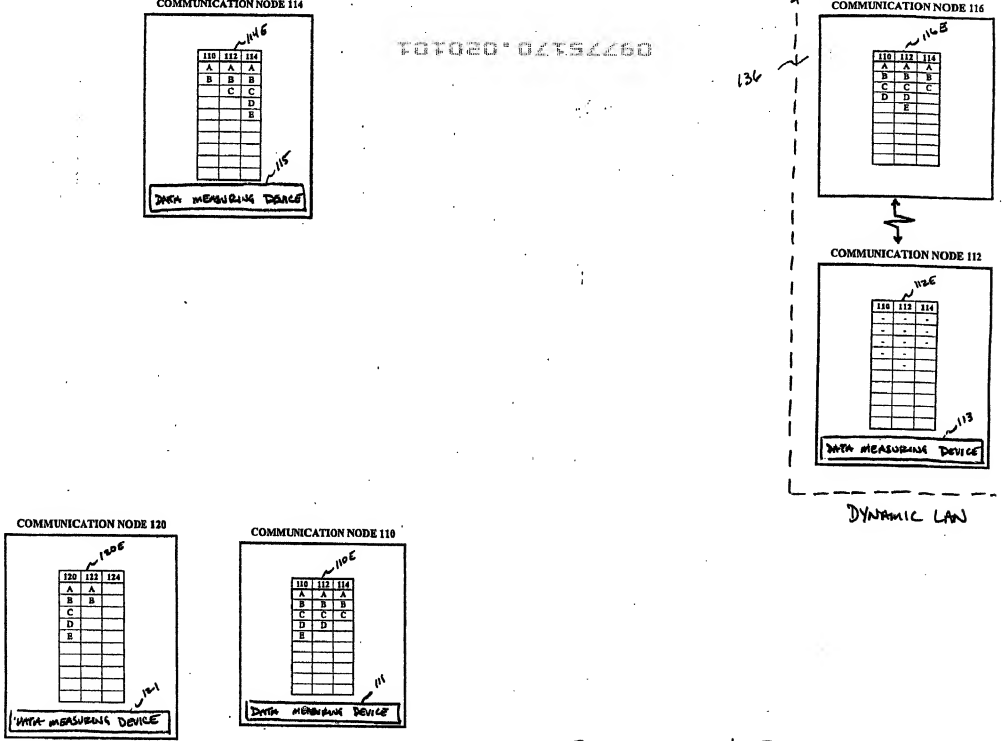
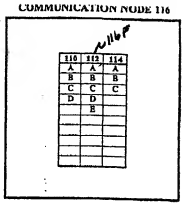
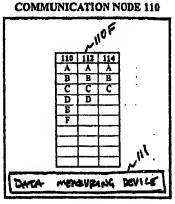


FIGURE 4E


COMMUNICATION NODE 116
116F
110 112 114
A A A
B B B
C C C
D D
B


COMMUNICATION NODE 110
110F
110 112 114
A A A
B B B
C C C
D D
B
F
111
DATA MEASURING DEVICE

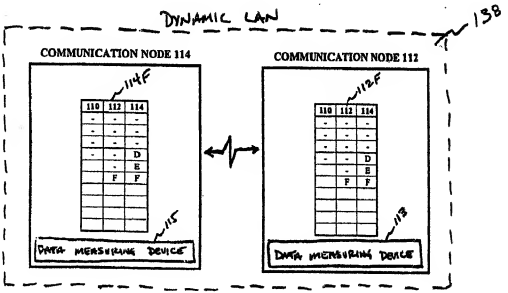

DYNAMIC LAN
138
COMMUNICATION NODE 114
114F
110 112 114
D
E
F F
115
DATA MEASURING DEVICE
COMMUNICATION NODE 112
112F
110 112 114
D
E
F F
113
DATA MEASURING DEVICE

FIGURE 4F

FOIPO 07/25/2008

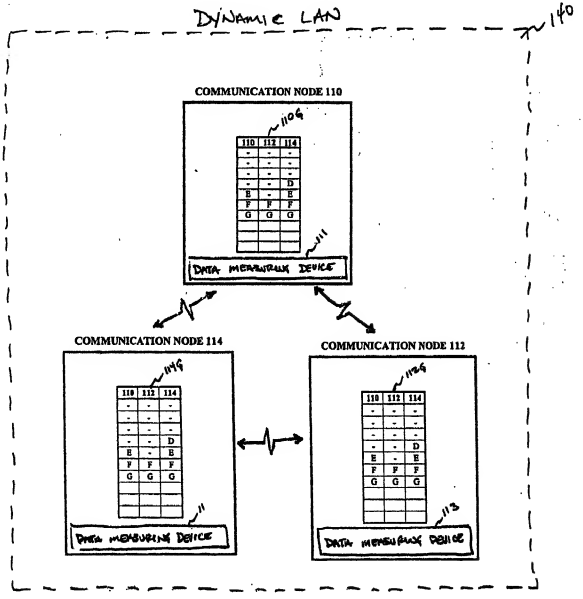
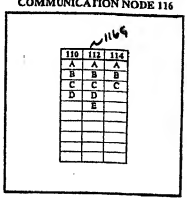



FIGURE 4G